High performance curable polymers and processes for the preparation thereof

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Inventor(s): NARANG RAM S (US); FULLER TIMOTHY J (US)
Applicant(s):: XEROX CORP (US)
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Abstract

Disclosed is a composition which comprises a polymer containing at least some monomer repeat units with photosensitivity-imparting substituents which enable crosslinking or chain extension of the polymer upon exposure to actinic radiation, said polymer being of the formula or wherein x is an integer of 0 or 1, A and B are specified groups and n is an integer representing the number of repeating monomer units, wherein said photosensitivity-imparting substituents are allyl ether groups, epoxy groups, or mixtures thereof. Also disclosed are a process for preparing a thermal ink jet printhead containing the aforementioned polymers and processes for preparing the aforementioned polymers.